

5000 PCT
JC20 Rec'd PCT/PTO 16 APR 2002

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

International Application No. : PCT/EP00/00978
International Filing Date : 8 FEBRUARY 2000
U.S. Serial No. : 09/913,494
Deposit Date U.S. Nat'l Phase : 16 AUGUST 2001
Priority Date(s) Claimed : 19 FEBRUARY 1999
Applicant(s) : LINXWEILER, Winfried, et al.
Title: GLUCOSE DEHYDROGENASE FUSION PROTEINS AND THEIR UTILIZATION IN
EXPRESSION SYSTEMS

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C. § 371
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

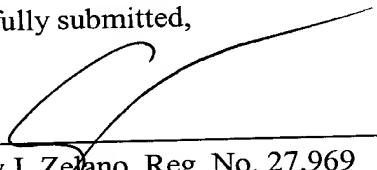
Commissioner for Patents
Box PCT
Washington, D.C. 20231
Sir:

In response to the Notification of Defective Response mailed 18 MARCH 2002, attached is
a DISK AND PAPER COPY OF THE SEQUENCE LISTING.

Applicants affirm that the contents on the disk and the paper copy of the sequence listing are
identical.

The Patent and Trademark Office is authorized to deduct any additional fees from, or credit
any overpayments to, counsel's deposit account No. 13-3402, a copy of this paper being attached.

Respectfully submitted,


Anthony J. Zelano Reg. No. 27,969
Attorney for Applicants
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Filed: 16 APRIL 2002

MAR 25 2002



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT
United States Patent and Trademark Office
Washington, D.C. 20231
www.uspto.gov

U.S. APPLICATION NUMBER NO.

09/913,494

FIRST NAMED APPLICANT

Winfried Linxweiler

ATTY. DOCKET NO.

MERCK 2289

INTERNATIONAL APPLICATION NO.

PCT/EP00/00978

I.A. FILING DATE

02/08/2000

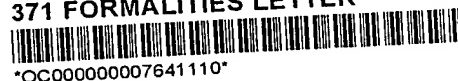
PRIORITY DATE

02/19/1999

23599
MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
2200 CLARENDON BLVD.
SUITE 1400
ARLINGTON, VA 22201

CONFIRMATION NO. 2518

371 FORMALITIES LETTER



OC000000007641110

Date Mailed: 03/18/2002

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- U.S. Basic National Fee
- Priority Document
- Assignee Statement
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Oath or Declaration
- Preliminary Amendments

CASE

ACTION

DUE DATE

SEQUENCE LISTING DUE
4/18/2002
W/CALLUP 4/11/2002

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

PHOTO
3/22/02
B

- The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
 - APPLICANT MUST PROVIDE:
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
 - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
- For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov
- A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
 - The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

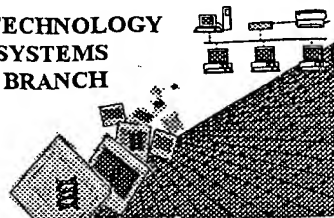
FRANCINE YOUNG

Telephone: (703) 305-3662

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
09/913,494	PCT/EP00/00978	MERCK 2289

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/913,494

Source: PG/09

Date Processed by STIC: 2/13/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/913,494

DATE: 02/13/2002
TIME: 10:13:56

Input Set : A:\EP.txt
Output Set: N:\CRF3\02132002\I913494.raw

Does Not Comply
Corrected Diskette Needed

delete this
---> 1 ~~SEQUENZPROTOKOLL~~
---> 3 ~~Merck Patent GmbH~~ *insert (1107 and response (mandatory))*
---> 0 <110> APPLICANT: *move down*
5 <120> TITLE OF INVENTION: ~~Glucose-Dehydrogenase-Fusionsproteine~~ *(und ihre*
6 *Verwendung in Expressionssystemen)*
8 <130> FILE REFERENCE: 9906920-Bz-mi
10 <140> CURRENT APPLICATION NUMBER: US/09/913,494
11 <141> CURRENT FILING DATE: 2002-01-16
---> 13 <160> NUMBER OF SEQ ID NOS: *(16) 14*
15 <170> SOFTWARE: PatentIn Ver. 2.1

use English for
a U.S. application

ERRORED SEQUENCES

see p. 2

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tagaaggcac agtcgagg

Last sequence
in submitted file

18

See following pages for more error

09913,494 3

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<213> Bacillus megaterium

<220>
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<223> Glucose-Degydrogenase aus Bacillus megaterium

/ use English

09/913,494 4

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<212> DNA
<213> Knstliche Sequenz

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<221> primer_bind
<222> (1)..(32)
<223> Primer 1, GlcDH

use English

<220>
<223> Beschreibung der knstlichen Sequenz Primer



IMPORTANT

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/913,494

DATE: 02/13/2002

TIME: 10:13:57

Input Set : A:\EP.txt

Output Set: N:\CRF3\02132002\I913494.raw

:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
:3 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
:0 M:201 W: Mandatory field data missing, APPLICANT:
:10 M:270 C: Current Application Number differs, Replaced Application Number
:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
:13 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (16) Counted (14)